

**What is claimed is:**

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1. A fabric-based sensor for transmitting electrical impulses or other vital signs comprising:
- (a) a fully-conductive fabric layer of integrated fibers; and
- (b) an electrical lead for connection to a data-output terminal, the electrical lead comprising one of the integrated fully-conductive fibers.
2. The fabric-based sensor of claim 1, further comprising a conductive paste between the fiber and the data-output terminal.
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3. The fabric-based sensor of claim 1, wherein the fully-conductive layer of fibers are knitted.
4. The fabric-based sensor of claim 2, wherein the fully-conductive layer of fibers are woven.
5. The fabric-based sensor of claim 1, wherein the data-output terminal is a snap connector.
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6. The fabric-based sensor of claim 2, wherein the data-output terminal is a snap connector.
7. A garment comprising at least one fabric-based sensor of claim 1.
8. A garment comprising at least one fabric-based sensor of claim 2.
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9. A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 1 to the subject and connecting the data-output terminal to a monitor.
10. A method for monitoring the vital signs or other electrical impulses of a subject comprising applying the fabric-based sensor of claim 2 to the subject and connecting the data-output terminal to a monitor.

11. A method for providing an electrical impulse to a subject comprising applying the fabric-based sensor of claim 1 to the subject, connecting the data-output terminal to an impulse-delivering device, and delivering the impulse through the sensor.

12. A method for providing an electrical impulse to a subject comprising applying  
5 the fabric-based sensor of claim 2 to the subject, connecting the data-output terminal to an impulse-delivering device, and delivering the impulse through the sensor.

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